



Promoting R290 AC in China and beyond



Contents

- >> Background of R290 AC
- >> Product & Development Preparation
- >> Demonstration Project

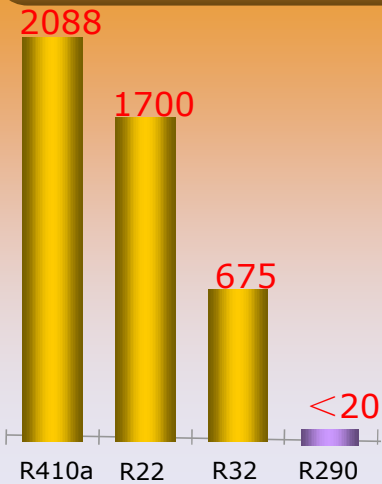
I. Background of R290 AC



Natural HC gas, GWP<20, ODP=0, no harm to Ozone layer
Very little green house effect, environment friendly gas

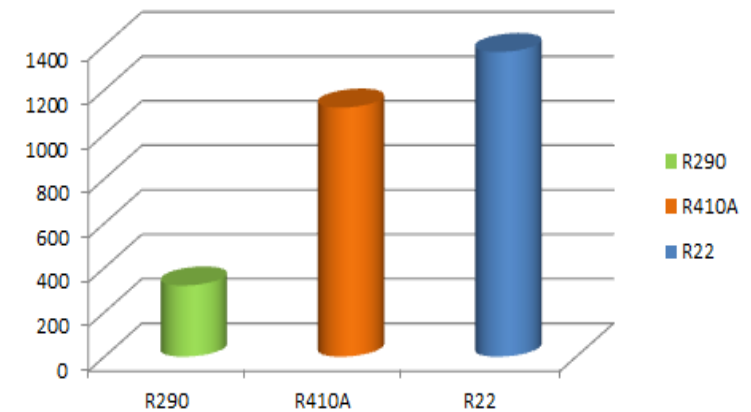


GWP

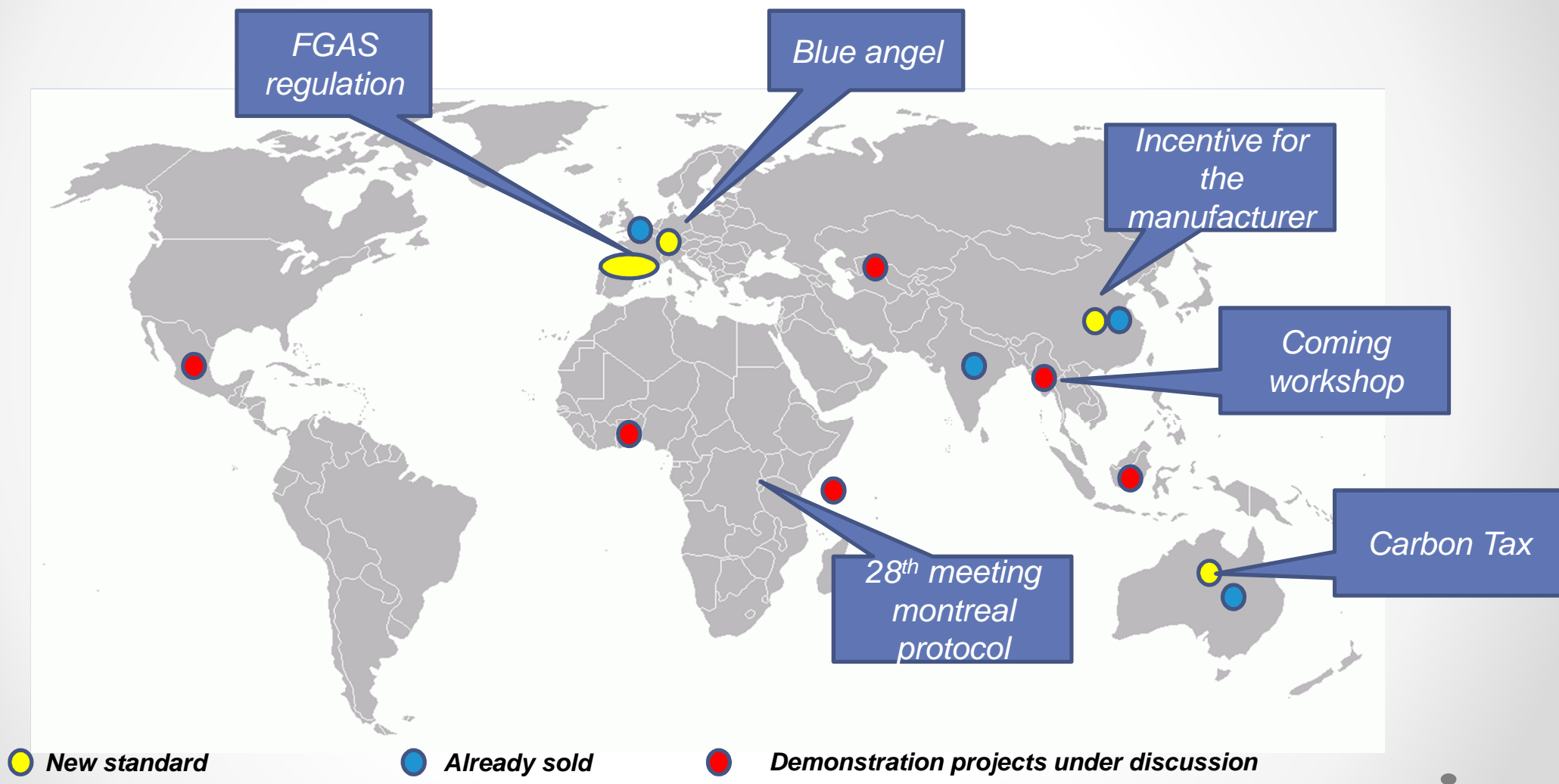


Refrigerant	Molecular formula	GWP	ODP
R290	C₃H₈	<20	0
R32	CH ₂ F ₂	675	0
R410A	R32/R125	2088	0
R22	CHF ₂ Cl	1700	0.055

Charging volume(g)



I. Background of R290 AC



II. Product & Development preparation

National Award: Core technology

R290 Production line supported from UN



1st R290 inverter AC
1st 3C certificate

2009

2010

2011

2012

2013

2014

2015

2016

Start to research R290

R290 technology accredited as leader of the industry

1st R290 inverter compressor
Listed in National torch plan

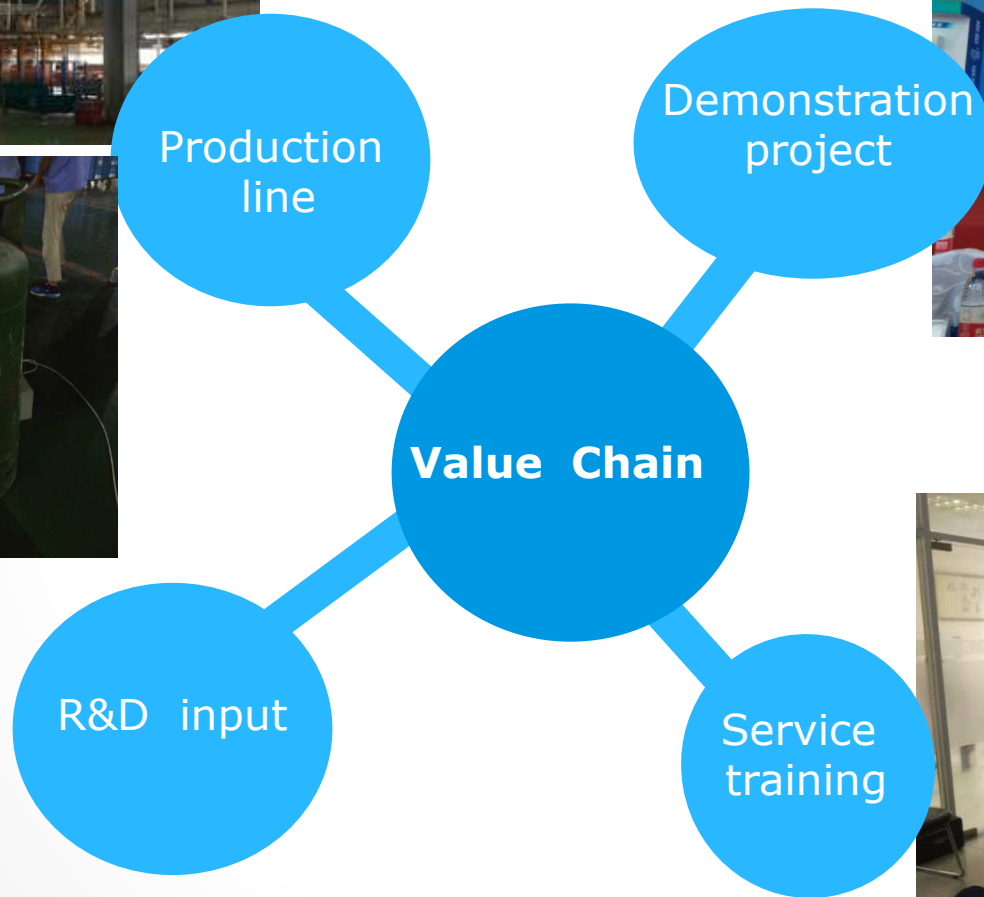
1st R290 portable AC to EU
1st CE certificate

3rd generation AC
1st college project



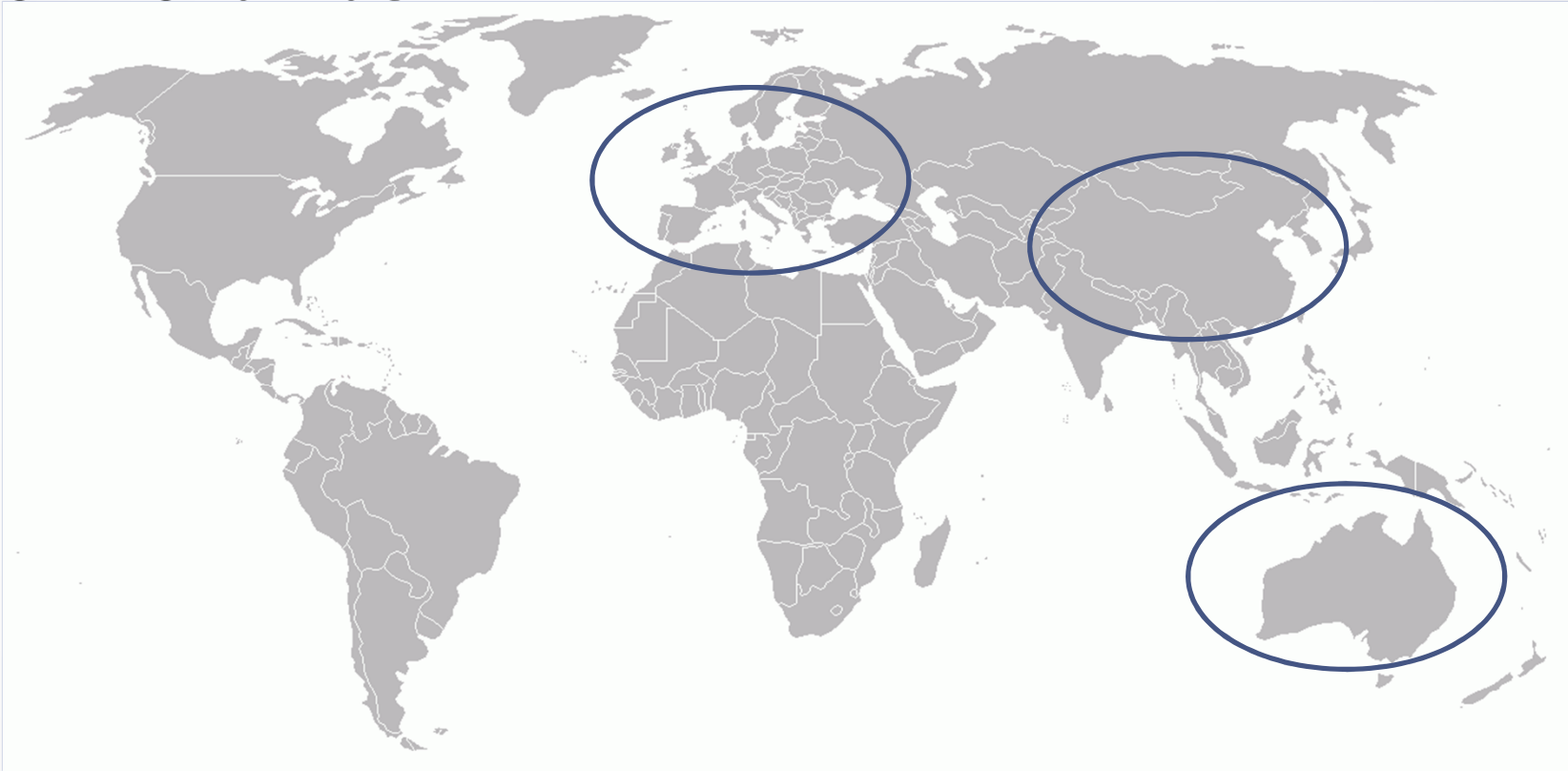
Midea R290 RAC Production Line funded by Montreal Protocol MLF

II. Product & Development preparation



II. Product & Development preparation

Promotion worldwide





2014, 1 set of R290 Sample sent to Germany

2015, 718 sets are sold to Germany/Switzerland/Australia/Italy

2016, 9302 sets are sold to Germany/Switzerland/Spain/Italy/France

II. Product & Development preparation

Domestic unit	
Model	KFR-35GW/BP3DN7Y-DA401(B2)
Type	Inverter
CEL	Class 2

Overseas Unit	
Model	MSAE-09HRDN7-QRD0
Type	Inverter
scop	A+

Overseas unit	
Model	MPPD-09CRN7/RUD0
SEER	A++

III. Demonstration project

Domestic: Jiaxing Nanyang Vocational and Technical College



4 dormitory building (in total 1062 sets)



III. Demonstration projects

Are planned in overseas:

- Africa (Seychelles)
- Asia (Indonesia)
- Central America
- Central Asia (Usbekistan)
- More projects are expected...





Thank You!

Contact:

Jonatan Li
jonathan_li@midea.com.cn

Midea Strategic Partners:

